

AFONSKAYA, L.S.; ZAIKONNIKOVA, I.V.; RZHEVSKAYA, G.F.; STUDENTSOVA, I.A.

Mechanism of the action of armin and nibufin. Farm. i toks. 26
no.2:184-189 Mr-Apr '63. (MIRA 17:8)

1. Kafedra farmakologii (zav. - dotsent T.V. Raspopova)
Kazanskogo gosudarstvennogo meditsinskogo instituta.

AFONSKAYA, L.S.; ZAIKONNIKOVA, I.V.

Search for protective and therapeutic substances in poisoning
with some organophosphorus compounds. Nauch. trudy Kaz. gos.
med. inst. 14:85-86 '64. (MIRA 18:9)

1. Kafedra farmakologii (zav. - dotsent T.V.Raspopova)
Kazanskogo meditsinskogo instituta.

SOV/5292

PHASE I BOOK EXPLOITATION

Konferentsiya po elektronike sverkhvysokoy chastoty

Trudy (Transactions of the Conference on Superhigh-Frequency Electronics) Moscow, Gosenergoizdat, 1959. 271 p. 3,500 copies printed.

Sponsoring Agency: Vsesoyuznyy nauchnyy sovet po radiofizike i radio-

tehnike AN SSSR.
Eds. (Title page): I. S. Dzigit, Professor, and Ye. G. Solov'yev, Candidate of Technical Sciences; Ed.: S. Akalunin, Tech. Ed.: G. Ye. Lariyev.

PURPOSE: This book is intended for scientific and technical personnel concerned with the development and operation of superhigh-frequency devices.

COVERAGE: The book contains a number of papers dealing with the most important problems of superhigh-frequency electronics. The papers were submitted at the Conference on Electronics called by the Vsesoyuznyy nauchnyy sovet po radiofizike i radiofizike AN SSSR (All-Union Scientific Council for Radiophysics and Radio Engineering, AS USSR) and the Byuro novoy tekhniki NO SSSR (Bureau of Modern Engineering, Ministry of Defense, USSR) and held in Moscow in 1957. The reports deal with the following topics: Problems of the theory and calculation of the delay systems of traveling-wave and backward-wave tubes; certain phenomena occurring in a cylindrical electron beam finding itself in a uniform magnetic field; the focusing of long beams by means of periodic magnetic and electric fields; and some problems concerning reflex klystrons. Modern types of cathodes for superhigh-frequency devices are described. No personalities are mentioned. References accompany most of the reports.

Afonkava, M. M., V. G. Gubarev, A. S. Danyev, S. A. Shestakov, and A. G. Kuznetsov. Klystron Amplifier of the 10-centimeter Band With 20-Milliwatt Pulse Power	58
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A001/A001

Translation from: Referativnyy zhurnal, Fizika, 1960, No. 10, p. 311, # 27434

AUTHORS: Afonskaya, M.N., Gabyshev, V.S., Dunayev, S.A., Zusmanovskiy, S.A.,
Lyubimov, M.L., Mishkin, A.G., Shchelkunov, G.P.

TITLE: Twenty Megawatt Klystron Amplifier for 10-cm Band

PERIODICAL: Tr. Konferentsii po elektronike SVCh, 1957, Moscow-Leningrad, Gosenergoizdat, 1959, pp. 58 - 79

TEXT: The authors describe a 20-Mw pulse amplifying klystron of KMY -1 (KIU-1) type operating on the 10-cm band. The design of a klystron constructed earlier in the USA was adopted as a basis for development. Drawbacks of the American klystron are described in detail. Essential changes were made in the method of fixing the cathode shank, in the design of the electron gun and resonators, as well as in the adjustment of the focusing system. These changes made it possible to increase the coefficient of current transmission up to 96-98% and the electric strength between the anode and the cathode, and to eliminate sparking in

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Twenty Megawatt Klystron Amplifier for 10-cm Band

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resonators. The changes mentioned made it possible to construct a device considerably excelling the klystron built in the USA in efficiency, operational reliability, service life, and other characteristics. The detailed description of the KIU-1 klystron and its individual assemblies is given.

O.P. Germanovich

Translator's note: This is the full translation of the original Russian abstract.

Card 2/2

AFONSKAYA, M. O.

AFONSKAYA, M. O.

Arctic Races

Aid to schools and cultural institutions of
the Far North. M. O. Afonskaya. Vest. Len. un
6 No. 9, 1951.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

AFCNSKAYA, M. O.

"Students of the Faculty of Northern Peoples Aid Schools," Vest. Len. Un.,
6, No.11, 1951

AFONSKAYA, M.O.; SHERSHNEVA, A.N.

The all-Russian conference on students' field practice. Izv.
Vses. geog. ob-va 97 no.1:102-103 Ja-F '65.

(MIRA 18:3)

AL'BRUT, M.I.; AGAFONOV, N.T.; LAVROV, S.B.; AFONSKAYA, M.O.;
KONSTANTINOV, O.A.

Reviews. Izv. Vses. geog. ob-va 97 no.6:554-560 N-D '65.
(MIRA 19:1)

~~AFONSKA, N. S.~~
AFONSKA, N. S.

AFONSKA, N. S. -- "CHANGE OF STRUCTURE AND PROPERTIES OF LEATHER OF CHROME-VEGETABLE TANNING IN RELATION TO THE NATURE OF FILLERS AND PROCESS OF DRYING." SUB 6 JAN 53, MOSCOW TECHNOLOGICAL INST OF LIGHT INDUSTRY IMENI L. M. KAGANOVICH (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCES)

SO: VECHERNAYA MOSKVA, JANUARY-DECEMBER 1952

AFONSKAYA N.S.

①
Dimensional changes of chrome-vegetable-tanned leather during filling. N. S. Afonskaya and N. V. Chernov. *Legkaya Prom.* 14, No. 3, 23-4 (1954).--Dimensional changes depend on nature of fillers. Oak ext, glucose, and sulfurized fish oil decrease shrinkage, both of area and thickness; $MgSO_4$, "Askangel," and castor oil decrease thickness shrinkage chiefly, while alizarin oil and fish oil decrease area shrinkage. Na_2SO_4 did not affect shrinkage. Even for fillers of the same chem. nature, shrinkage differs in character. With increasing content of fillers (glucose, sulfurized fish oil), shrinkage decreases but character of shrinkage remains the same.

B. Z. Kamich

APOMSKAYA, N.S.

MILLES, Ye.B., inzh.; AFONSKAYA, N.S., kand. tekhn. nauk; ZURABYAN, K.M., kand. tekhn. nauk

Characteristics of various methods for dehairing and liming of raw hides in the manufacture of hard leather. Izv. vys. ucheb. zav.;
tekhn. leg. prom. no.4:34-38 '59. (MIRA 13:2)

1. Vsesoyuznyy zaochnyy institut tekstil'noy i legkoy promyshlennosti i Tsentral'nyy nauchno-issledovatel'skiy institut kozhevenno-obuvnoy promyshlennosti. Rekomendovana kafedroy tekhnologii obuvi, kozhi i iskusstvennoy kozhi Vsesoyuznogo zaochnogo instituta tekstil'noy i legkoy promyshlennosti.

(Leather manufacture)

ARONINA, Yuliya Naumovna; YEFREMOVA. Polina Yakovlevna; AFONSKAYA,
N.S., kand. tekhn. nauk, retsenzent; DUKHOVNIY, I.N.,
red.; ZOLOTAREVA, I.Z., tekhn. red.

[Technology of fur] Tekhnologiya mekha (spetsial'nye glavy).
Moskva, Gizlegprom. 1963. 109 p. (MIRA 16:9)
(Fur)

SPITSYN, Vikt. I.; AFONSKIY, N.S.

Sodium tri- and tetrachromates. Zhur. neorg. khim. 8 no.10:2412-
2413 0 '63. (MIRA 16:10)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova.
(Sodium chromate)

VLADIMIROVA, M.K.; AFONSKAYA, N.Ye.

Early symptoms of meningitis in children with tuberculosis. Sov.med.
20 no.11:56-60 N '56. (MLRA 10:1)

1. Iz Malakhovskogo klinicheskogo detskogo tuberkuleznogo sanatoriya
Moskovskoy oblasti (dir. M.K.Vladimirova)
(TUBERCULOUS MENINGITIS, in inf. and child
diag.)

AFONSKAYA, R. I.

Kelabukhov, M. I., Afonskaya, R. I. and Ponomarev, A. L. - "Certain explanations pertaining to the temperature cycle in southern mammals in captivity," (The problem of acclimatization), Trudy Mosk. zooparka, Vol. IV, 1949, p. 3-57. - Bibliog: 22 items

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

AFONSKAYA, R. I.

Afonskaya, R. I. - "The effect of temperature and light on the seasonal variation in the fur of certain mammals," Report 2. "The effect of light and temperature on the moulting of the white hare (*Lepus timidus* L.)," Trudy Mosk. zooparka, Vol. IV, 1949, p. 58-65, - Bibliog: 8 items

SO: U-4355, 14 August 53, (Letopis 'Zhurnal 'nykh Statey, No. 15, 1949)

AFONSKAYA, R.I.; KRUMINA, M.K.

Observations on polar bears. Sbor. st. Mosk. zool. no.2:56-63
'58. (MIRA 11:12)
(Bears)

AFONSKAYA, R.I.; KRUMINA, M.K.

Biology of Ussurian tigers. Sbor. trud. Mosk. zoop. no.1:51-60 '56.
(Moscow--Tigers) (MIRA 10:11)

AFONSKIY, A. kandidat tekhnicheskikh nauk.

Floating mooring for seaplanes. Grazhd. av. 14 no.4:24 Ap '57.
(Seaplanes) (MIRA 10:6)

AFONSKIY, A., starshiy nauchnyy sotrudnik

Combination wharves used for various types of cargoes. Mor. flot. 18
no.11:30 N '58. (MIRA 11:12)

1. TSentral'nyy nauchno-issledovatel'skiy institut ekonomiki i eksplua-
tatsii vodnogo transporta.

(Wharves) (Loading and unloading)

AFONSKIY, A. V.

USSR/Engineering - Hydraulics

Jul 51

"Soviet Achievements in the Field of Wave Investigations," A. V. Afonskiy, Engr

"Gidrotekh Stroi" No 7, p 46

Describes device for reproducing and studying waves and compares it with American installation, described in "Engineering News-Record" 9 Dec 1948. Discusses advantages of Soviet method and faults of American installation.

199T66

AFERONII, A. V. (Graduated)

Dissertation: "Separat: Dolphin as a Form of Mooring Lifting." Candidate Sci,
Moscow Order of the Labor Red Banner Construction Engineering Institute named V. V.
Kuybyshev, 15 Jan 54. (Voennoyuzhskaya Moskva, Moscow, 4 Jan 54,

SO: Doc 318, 23 Dec 1954

14(10)

SOV/98-59-5-12/21

AUTHOR: Afonskiy, A.V., Candidate of Technical Sciences

TITLE: Pressure of Waves on Isolated Supports

PERIODICAL: Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 5,
pp 39-40 (USSR)

ABSTRACT: The author describes laboratory tests made for estimating the pressure of waves on isolated supports and comes to the conclusion that the combined pressure upon individual isolated supports is many times smaller than the pressure maintained upon the vertical wall. There are 4 tables.

Card 1/1

AFONSKIY, A.V., kand.tekhn.nauk

Recent developments in the arrangement of anchoring elements in the construction of bulwark-type walls. Rech.transp. 18 no.3:54-55 Mr '59.
(MIRA 12:4)

(Concrete piling) (Wharves)

AFONSKIY, I.F.

An Investigation of Nitralloys of Soviet Manufacture. O.I.Ver, A.V.Smirnov, and I.F. Afonskiy. Soobshcheniya Vsesoyuznogo Inst.Metal. 1931, Nos.3-4, 37-43. -

Steel having the composition C 0.40, Si 0.48, Mn 0.42, Cr 2.21, Al 1.47, Nn 0.34, Ni 0.83, S 0.03 and P 0.026% was investigated with the view of using it in the manufacture of nitrided tools. Mech. properties and microstructure were studied. This work will be continued.

S.L.Madorsky

AFONSKIY, I.F.		PROCESSING AND REPRODUCTION INDEX																																																																																																					
Nondecarburizing salt bath for high-speed tool steels I. P. Afonskiy and A. A. Kroschkin. <i>Repts. Central Inst. Metals</i> (Leningrad) No. 16, 112 (in German 128) (1934).—Periodic addition of FeSi, about 2%, to borax, 5-10%, to an electrolytic bath of molten BaCl₂, used for annealing high-speed tool steel, will prevent decarburization at the surface of the steel articles. The borax combines with the oxides of Fe and Ba which generate in the bath, while FeSi combines with these oxides to form silicates. When the molten bath is not in action its surface should be covered with a layer of finely ground charcoal to prevent oxidation and cooling. S. L. Madorsky		1																																																																																																					
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Influence of Catalysts on the Nitrogen-Hardening of Steels. I. F. Afonskil. (<i>Metallurgist</i>, Russia, 1937, vol. 12, No. 3, Mar., pp. 8-14). (In Russian). The author discusses the results of experiments on the absorption of nitrogen (from cracked ammonia) at 500° C. by a steel containing 0.78% of carbon, 1.18% of silicon, 0.77% of manganese, 2.22% of chromium and 0.8% of aluminium, in the presence of magnesite as a catalyst. The thickness of the nitrified zone was not increased but the time required to obtain a layer 0.3 mm. thick was reduced from 18 to 8 hr. It is important to note that the catalyst must not prevent access of the gas to the steel such as occurs if the sample is packed in magnesite. The author suggests covering the inner wall of the furnace with a magnesite/silicate mixture which will protect the furnace and at the same time accelerate the hardening process—probably by influencing the dissociation equilibrium of the ammonia. Magnesium oxide has a similar action to that of magnesium carbonate.																																												
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The question of Soviet Nitralloys. I. Afonskiy, <i>Sov. J. No. 12, 20-8(1933)</i>.—Up to the present Soviet plants have been unable to produce proper alloys for nitriding. Expts to produce a Cr-Al alloy contg. C 0.32-0.40, Cr 1.48-2.21, Al 0.81-1.47 and Ni 0.21-0.83% were successful. The Al was introduced as metallic Al after the heat had been thoroughly deoxidized by FeMn, FeSi and Al. This steel, normalized at 900°, had a tensile strength of 80 kg. per sq. mm., elongation 20% and an impact resistance of 7 kg.-m. per sq. cm. on the Charpy test. On nitriding, a Vickers Brinell hardness of 1000-1200 was obtained. The steel had a dendritic microstructure contg. martensite and some Al ferrite which was not destroyed even by quenching from 1100°. H. W. Rathmann																																																																																																																													
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Hardness of Nitrided Surfaces. I. F. Afonakji. (Metallurgist, Russia, 1937, vol. 12, No. 5, May, pp. 51-62). (In Russian). The author has investigated the hardness and microstructure of the surface layers of steel test-pieces directly after hardening by nitrogen and also after various heat treatments such as water- and oil-quenching and annealing at temperatures between 100° and 700° C. He has also investigated the effect of the cooling velocity after nitrogen-hardening between 1° and 270° C. per sec. on the surface hardness. The steels examined contained (a) carbon 0.4%, chromium 2.21%, aluminium 1.47%, molybdenum 0.34%, nickel 0.83%, (b) carbon 0.32%, chromium 1.48%, aluminium 0.81%, molybdenum 0.25% and nickel 0.21% and (c) carbon 0.84%, chromium 1.82% and vanadium 0.75%. Where the alloying elements present form nitrides which dissociate and diffuse into the body of the metal at the temperature of treatment, heat treatment strongly affects the surface hardness, but when the nitrides formed are stable between 450-700° C. little effect is produced. The optimum cooling velocity after nitriding is 3-12° C. per min.; at cooling rates in excess of this too much solid solution is formed, and at lower rates the nitride particles are excessively coarse; both conditions lead to decreased hardness. Nitrided surfaces begin to oxidise in air at 600° C., but in a neutral atmosphere, ammonia for example, no effect is produced by heating to 650-700° C.		100 AND 1000 CROSSL																																																																																																																																																																																																									
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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
COMMON ELEMENTS										COMMON VARIABLES INDEX									
AFONSKIY, I F 10 Diagram for Determining the Hardenability of Steel from the Critical Cooling Velocity of Quenching. I. K. Afonskii. (Zavodskaya Laboratoriya, 1949, vol. 15, Sept., pp. 1074-1077). [In Russian]. Data from the literature are examined and used for the construction of a diagram of critical cooling velocity against critical diameter for quenching in water, in oil, and in air. The following information can be obtained from this diagram: (a) The cooling velocity of the centre of a solid cylinder; (b) the critical diameter of a cylinder for complete hardening, knowing the critical cooling velocity of the steel; and (c) the value of the critical cooling velocity which a steel must possess for hardening to a given depth. The application of this diagram for technical purposes is described and exemplified.—s. k.										ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION 8-2									
MATERIALS INDEX 1ST AND 2ND ORDERS										AUTHOR INDEX 3RD AND 4TH ORDERS									
GROUPS 1ST AND 2ND ORDERS										1ST AND 2ND ORDERS 3RD AND 4TH ORDERS									

AFONSKIY, I. F.

"Introduction to the Teaching of the Theory of Chemical-Thermal Treatment of Steel Objects." Doctor Tech Sci, Inst of Metallurgy, Acad Sci USSR, Moscow, 1954. (RZhKhim, No 23, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)

SO: Sum. No. 556, 24 Jun 55

AFONSKIY, I. N.

8/089/62/013/006/019/027
B102/B186

AUTHORS: G. T. and M. R.

TITLE: Nauchnaya konferentsiya Moskovskogo inzhenerno-fizicheskogo instituta (Scientific Conference of the Moscow Engineering Physics Institute) 1962

PERIODICAL: Atomnaya energiya, v. 13, no. 6, 1962, 603 - 606

TEXT: The annual conference took place in May 1962 with more than 400 delegates participating. A review is given of these lectures that are assumed to be of interest for the readers of Atomnaya energiya. They are following: A. I. Leypunskiy, future of fast reactors; A. A. Vasil'yev, design of accelerators for superhigh energies; I. Ya. Pomeranchuk, analyticity, unitarity, and asymptotic behavior of strong interactions at high energies; A. B. Migdal, phenomenological theory for the many-body problem; Yu. D. Fiverekiy, deceleration of medium-energy antiprotons in matter; Yu. M. Kogan, Ya. A. Iosilevskiy, theory of the Mössbauer effect; M. I. Ryazanov, theory of ionisation losses in nonhomogeneous medium; Yu. B. Ivanov, A. A. Rukhadse, h-f conductivity of subcritical plasma;

Card 1/4

Nauchnaya konferentsiya...

S/089/62/013/006/019/027
B102/B186

B. V. Pletnev, F. M. Spevakov, A. M. Stolov, supply of synchrotron electro-
magnets; G. L. Saksaganskiy, V. Ya. Moiseyev, flanged separable heat-re-
sistant junctions of great diameter; B. G. Klimov, A. S. Vayradyan,
V. P. Yevseyev, I. B. Mikhaylov, I. M. Afonskiy, B. N. Belov, Ye. I. Mam-
nov, B. I. Strelkov, Ye. V. Sedykh, B. A. Shchukin, optical principles in
computer engineering technique; R. S. Nakhaanson, M. M. Roysin,
M. E. Mostovlyanskiy, Yu. A. Volkov, electronics; Ye. L. Sulim, transmitter
for electromagnetic flow-meter, V. M. Ovsyankin, V. M. Plushnikov, applica-
tion of varicondes for transforming d.c. into a.c.

Card 4/4

SOV/81-59-16-57475

Translation from: Referativnyy zhurnal. Khimiya, 1959, Nr 16, p 266 (USSR)

AUTHOR: Afonskiy, K.N.

TITLE: Integrating Devices for Determining the Mean Values of Potentials and Currents in Corrosion Investigations

PERIODICAL: Tr. Azerb. industr. in-ta. 1958, Nr 20, pp 131-138 (Res. Azerb.)

ABSTRACT: The basic principles of the action of integrating devices for determining the mean potentials and currents are given. Formulae for determining the sensitivity of the device during tension measurements as well as current measurements are cited. The cited circuit of the device can be used either as a microammeter with a limit of measurement of ± 70 ma or as a millivoltmeter with a limit of measurement of ± 112 mv for the whole scale at an input resistance of 14,000 ohm/v. Several drawbacks of the device are listed. The advantages of the device are: sensitivity which is sufficient for many cases of corrosion investigation, sensitivity to the sign of the measured value, the absence of the dead zone in the measurement of small values, multi-purpose use, low power consumption, applicability to field conditions due to its simplicity, reliability and light weight, the insensitivity to a hundredfold overload.

Card 1/1

V. Pritula.

ALIZADE, G.A.; GRACHEV, Yu.V.; FRIDMAN, M.Ye.; AFONSKIY, K.N.

Remote control installation for maintaining and regulating the dynamic level of fluids in wells equipped with a submersible electric pump. Izv. vys. ucheb. zav.; neft' i gaz 2 no.6:79-84 '59.
(MIRA 12:10)

1. Azerbaydzhanskiy institut nefti i khimii im. M. Azizbekova.
(Oil wells--Equipment and supplies) (Remote control)

SALAM-ZADE, M.M.; AFONSKIY, K.N.

Reducing errors in measurements of potentials in corrosion studies.
Azerb. neft. khoz. 38 no.3:40-42 Mr '59. (MIRA 12:6)
(Electrolytic corrosion)

GRACHEV, Yu.V.; ALIZADE, G.A.; AFONSKIY, K.N.

Telemeter for controlling the parameters of deep wells exploited
by submersible electric pumps. Izv. vys. ucheb. zav.; neft'
i gaz 4 no.1:91-94 '61. (MIRA 15:5)

1. Azerbaydzhanskiy institut nefti i khimii imeni Azizbekova.
(Oil well pumps)
(Telemeter)

L 08781-67 EWT(m)/EWP(t)/ETI IJP(c) JD/WB

ACC NR: AP6021377

SOURCE CODE: UR/0423/65/000/012/0022/0024

AUTHORS: Taekun, N. A.; Afonskiy, K. N.; Gasanly, R. M. 52

ORG: Azerbaydzhan Institute of Petroleum and Chemistry im. M. Azizbekov
(Azerbaydzhanskiy institut nefti i khimii)

TITLE: An automatic cathode station for protecting underground pipelines and cables from corrosion

SOURCE: Za tekhnicheskii progress, no. 12, 1965, 22-24, 39

TOPIC TAGS: cathode, earth current, electric relay, dc amplifier, electric motor, corrosion protection, potentiometer, electric transformer/ RP-5 electric relay, RD-09 electric motor

ABSTRACT: This paper describes one version of an automatic cathode station, developed with the aim of creating a single series of stations with a power of from 0.5 to 5.0 kW. The principal distinguishing feature of the series is the use as the controllable power elements of commercial three-phase induction motors with modified rotors, which are rotary transformers (see Fig. 1). A dc amplifier is used to amplify the control signals and increase the sensitivity. Depending upon the correspondence of the potential of the installation relative to ground to the specified value, the control unit connects an actuator, under the influence of which the power unit changes the operating conditions of the station. The presence of rotary transformers ensures

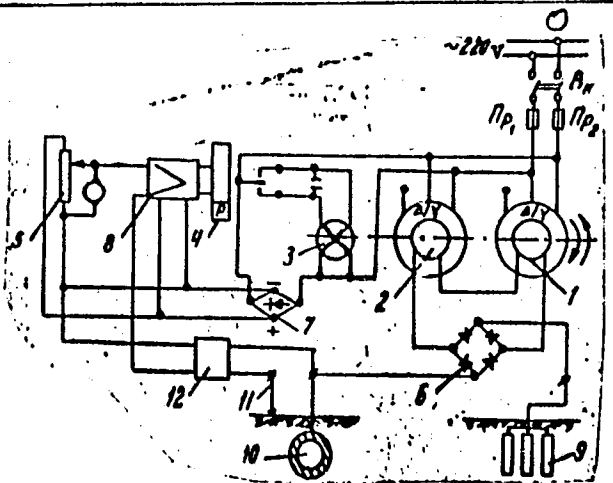
Card 1/3

UDC: 624.11.620.193.7.620.197.5

L 08781-67

ACC NR: AP6021377

Fig. 1. Schematic diagram of automatic cathode station with dual-rotary transformers: 1-2 - dual-rotary transformers; 3 - RD-09 reversible motor; 4 - RP-5 polarized relay; 5 - potentiometer for setting protective potential of installation; 6-7 - single-phase rectifier bridges; 8 - dc amplifier; 9 - anode ground; 10 - underground installation; 11 - comparison electrode; 12 - low-pass filter.



smooth, contactless control of the protective potential (see Fig. 2).

Card 2/3

L 08781-87

ACC NR: AP6021377

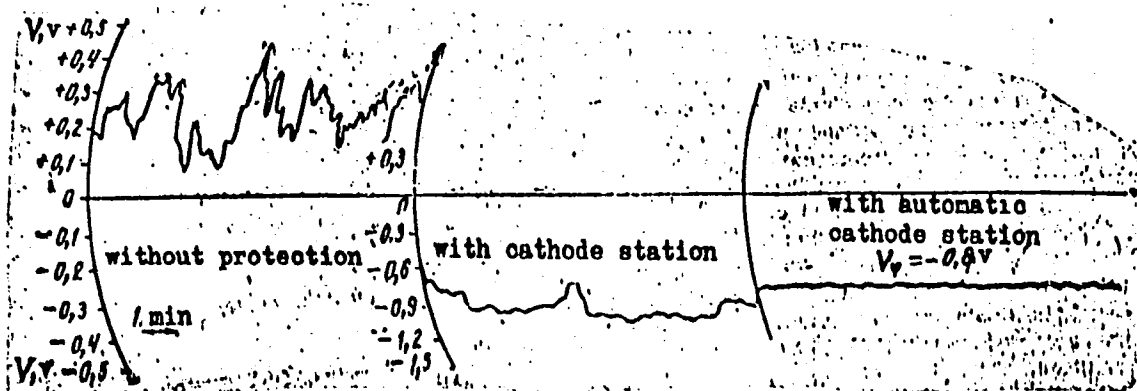


Fig. 2. Stray currents without protection, with ordinary cathode station, and with automatic cathode station

Orig. art. has: 8 formulas, 3 diagrams, and 2 graphs.

SUB CODE: 13/ SUBM DATE: none/ ORIG REF: 002

Cord 3/3 net

AFONSKAYA, L.G.; AFONSKIY, M.N.

Structural and geomorphological investigations in the evaluation
of oil and gas reserves of the middle Amur depression. Neftegaz.
geol. i geof. no.5:13-16 '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

AFONSKIY, N.

Consultation. Geog. v shkole 25 no.6:62-63 N-D '62.
(MIRA 15:12)
(Przheval'skii, Nikolai Mikhailovich, 1839-1888)

AFONSKIY, Nikolay Matveyevich

Slavsky. Leningrad, Lenizdat, 1964. 137 p. (MIRA 18:10)

S/078/60/005/007/028/043/XX
B004/B060

AUTHORS: Spitsyn, Vikt. I., Afonskiy, N. S., Tsirel'nikov, V. I.

TITLE: Thermal Decomposition of Isopolychromates of Potassium 27

PERIODICAL: Zhurnal neorganicheskoy khimii, 1960, Vol. 5, No. 7,
pp. 1505 - 1508

TEXT: The authors report on their thermographic investigation of CrO_3 , $\text{K}_2\text{Cr}_2\text{O}_7$, $\text{K}_2\text{Cr}_3\text{O}_{10}$, and $\text{K}_2\text{Cr}_4\text{O}_{13}$. They found $S_{298}^0 = 17.45$ e.u. for the standard entropy of CrO_3 . The thermograms presented in Figs. 1-4, and the thermogravimetric heating curve shown in Fig. 5 for the mentioned compounds resemble each other considerably. When heated to 800°C at a rate of $10^\circ\text{C}/\text{min}$, $\text{K}_2\text{Cr}_2\text{O}_7$ is almost not decomposed at all, while $\text{K}_2\text{Cr}_3\text{O}_{10}$ melts at 243°C , and $\text{K}_2\text{Cr}_4\text{O}_{13}$ at 210°C to form $\text{K}_2\text{Cr}_2\text{O}_7$ and CrO_3 . $\text{K}_2\text{Cr}_2\text{O}_7$ lines appear in the roentgenogram in this connection (Fig. 6). Only the decomposition of liberated CrO_3 occurs above the melting point. The following crystal

Card 1/2

Thermal Decomposition of Isopolychromates of Potassium S/078/60/005/007/028/043/XX
B004/B060

lattice parameters were found. $K_2Cr_3O_{10}$: $a = 6.14$ A, $b = 7.29$ A, $c = 6.07$ A, $\beta = 101^\circ$, $Z = 1$, $\rho_{x-ray} = 2.64$. $K_2Cr_4O_{13}$: $a = 7.50$ A, $b = 8.55$ A, $c = 9.47$ A, $\beta = 92^\circ$, $Z = 2$, $\rho_{x-ray} = 2.70$. The authors mention a paper by T. V. Rode, and thank Yu. P. Simanov and L. M. Kovba for their discussions and assistance in the X-ray analyses. There are 6 figures and 19 references: 6 Soviet, 2 US, 1 Danish, 3 French, and 6 German.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, Kafedra neorganicheskoy khimii (Moscow State University imeni M. V. Lomonosov, Chair of Inorganic Chemistry)

SUBMITTED: May 22, 1959

Card 2/2

SPITSYN, Vikt. I.; AFONSKIY, N.S.; TSIREL'NIKOV, V.I.

Reaction of chromic anhydride with potassium chromate. Zhur.
neorg.khim. 5 no.9:1970-1972 S '60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova,
Kafedra neorganicheskoy khimii.
(Potassium chromate) (Chromium oxide)

AFONSKIY, N.S.; SPITSYN, Vikt.I.

Synthesis and some properties of rubidium triand tetrachromate.
Zhur.neorg.khim. 6 no.10:2416-2417 0 '61. (MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova
kafedra neorganicheskoy khimii.
(Rubidium chromate)

AFONSKIY, N.S.

Volatility of sodium and potassium chromates. Zhur.neorg.khim.
7 no.11:2640-2641 N '62. (MIRA 15:12)

1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova,
kafedra neorganicheskoy khimii.
(Alkali metal chromates)
(Volatility)

AFONSKIY, N.S.

Products of interaction of chromic acid with chromium hydroxide.
Vest. Mosk. un. Ser. 2:Khim. 19 no.1:47-48 Ja-F '64.
(MIRA 17:6)

1. Kafedra neorganicheskoy khimii Moskovskogo universiteta.

AFONSKIY, P.

Province committee of trade unions and economic council office
for individual branches of industry. Okh. truda i sots. strakh.
no.6:16-19 Je '59. (MIRA 12:10)

1.Predsedatel' obkoma profsoyuzov rabochikh mashinostroyeniya.
(Kharkov Province--Trade unions)

KISELEV, P., dispatcher; AFONSKIY, P.; GORBANEV, V.; SHMYGANOVSKIY, V.
(g. Odessa); IONESCU, Ion (Rumynskaya Narodnaya Respublika)

The fraternal international relations are growing stronger.
Sov. profsoiuzy 17 no.21:32-33 N '61. (MIRA 14:10)

1. Makeyevskiy koksokhimicheskiy zavod (for Kiselev). 2. Pred-
sedatel' Khar'kovskogo oblastnogo komiteta profsoyuza rabochikh
mashinostroyeniya (for Afonskiy). 3. Redaktor zavodskoy gazety
"Za tekhnicheskiy progress" Orlovskogo zavoda imeni Medvedeva,
g. Orel (for Gorbanev). (Trade unions)

SIL'VERSTROVICH, N.V., inzh.; AFONSKIY, P.I., inzh.

Recovery of transformer oil with decreased ignition temperature.
Energetik 12 no.1:31-32 Ja '64. (MIRA 17:3)

AFONSKIY, S.I., professor, zaslushennyi deyatel' nauki Tat. ASSR.; SOLOV'YEV,
Ye.I., redaktor; GUBER, A., tekhnicheskii redaktor.

[Physical and colloidal chemistry] Fizicheskaya i kolloidnaya khimiya.
Moskva, Gos. izd-vo "Sovetskaya nauka," 1954. 266 p. (MLA 8:2)
(Chemistry, Physical and theoretical) (Colloids)

1ST AND 2ND CIPHERS		3RD AND 4TH CIPHERS	
PROCESSES AND PROPERTIES INDEX Investigation of the physical-chemical properties of protein-lipoid systems. S. I. Afonskii. <i>Uchenye Zapiski Kazan. Gosudarst. Zootekh. Vsesoyuz. Inst.</i> 50, No. 1, 141-50 (1939); <i>Khim. Referat. Zhur.</i> 1940, No. 4, 36.—The changes in the η and surface tension of casein and egg albumin during the addn. of aq. emulsions and aq.-alc. lecithin and cholesterol. solns. were investigated. Egg albumin was investigated in aq. soln., casein in 1% Na₂HPO₄ and in the form of Na caseinate. A decrease of the η and surface tension was observed in all cases. Addn. of aq. and aq.-alc. soln. of Na caseinate to lecithin emulsions increases the soly. of lecithin. The character of the interaction between the lipoids and proteins is discussed. W. R. Henn		ASSN. S.L.A. METALLURGICAL LITERATURE CLASSIFICATION	

Handwritten: ZIFONSKIY, S.I. CA

ORLOV, F.M., dotsent, kandidat veterinarnykh nauk, redaktor; SOLOVEY, A.S., redaktor; AFONSKIY, S.I., zaslushennyy deyatel' nauki Tatarskoy ASSR, professor, doktor veterinarnykh nauk, redaktor; IVANOV, M.M., laureat Stalinskoy premii, doktor veterinarnykh nauk, redaktor; KOVALENKO, Ya.R., professor, doktor veterinarnykh nauk, redaktor; KOLYAKOV, Ya.Ye., zaslushennyy deyatel' nauki RSFSR, professor, doktor veterinarnykh nauk, redaktor; METELKIN, A.I., professor, doktor biologicheskikh nauk, redaktor; SARKISOV, A.Kh., professor, doktor biologicheskikh nauk, redaktor; SVINTSOV, P.M., professor, doktor veterinarnykh nauk, redaktor; BALLOD, A.I., tekhnicheskiiy redaktor

[Laboratory research methods in veterinary medicine] Laboratornye metody issledovaniia v veterinarii. Moskva, Gos. izd-vo selkhoz. lit-ry. Vol. 3. 1954. 645 p. (MIRA 7:10)
(Veterinary research)

USSR / Pharmacology and Toxicology. General Problems.

V-1

Abs Jour : Ref Zhur - Biol., No 16, 1958, No 75683

Author : Afonskiy, S. I.

Inst : Moscow Veterinary Academy

Title : On the Interaction of Medicinal Substances on the Ground
Substances of Cells and Juices of the Organism.

Orig Pub : Tr. Mosk. vet. akad., 1955, 9, 3-15.

Abstract : No abstract.

Card 1/1

AFONSKIY, S. I., professor.

Use of isotopes in veterinary medicine and livestock raising.
Veterinariia 33, no. 4: 9-14 Ap '56. (MLRA 9:7)

1. Prorektor Moskovskoy veterinarnoy akademii
(Radio isotopes)(Veterinary physiology) (Veterinary medicine)

AFONSKIY, S.I.; KOROPOV, V.M.

Forty years of advanced veterinary training in the U.S.S.R.
Veterinariia 34 no.12:11-20 D '57. (MIRA 11:1)
(Veterinary medicine--Study and teaching)

AFONSKIY, Sergey Ivanovich; prof.; BROMLEY, N.V.; red.; LIPKINA, T.G.; red.
izd-va; VORONINA, R.K.; tekhn.red.

[Animal biochemistry] Biokhimiia zhivotnykh. Moskva, Gos.
izd-vo "Vysshaya shkola," 1960. 619 p.

(MIRA 14:2)

(Biochemistry) (Veterinary physiology)

AFONSKIY, S. I. (Moskva)

New ideas in the science of indirect metabolism in farm animals and
their clinical significance. Rocz nauk roln wet 70 no.1/4:121-127
'60. (EEAI 10:9)

(Domestic animals) (Metabolism)

AFONSKIY, SERGEY IVANOVICH

"New concepts of metabolism of highly productive farm animals."

report to be submitted at the 17th World Veterinary Congress,
Hanover, West Germany, 14-21 Aug 63.

AFONSKIY, S.I., prof.

Improve veterinary training to meet the new tasks. Veterinariia
40 no.5:1-4 My '63. (MIRA 17:1)

1. Rektor Moskovskoy veterinarnoy akademii.

AFONSKIY, Sergey Ivanovich, prof.; CHERKASOVA, V.I., red.

[Animal biochemistry] Biokhimiia zhivotnykh. Izd.2.,
perer. i dop. Moskva, Vysshaia shkola, 1964. 629 p.
(MIRA 17:9)

AFONSKIY, S.I., prof., red.; EROMLEY, N.V., kand. biol. nauk;
POLUNIN, P.M., kand. biol. nauk, red.; ROGOZHNIK, A.G.,
red.

[Biocomplexes and their importance] Biokompleksy i ikh
znachenie. Moskva, Kolos, 1965. 187 p. (MIRA 18:9)

1. Simpozium na temu "Biokompleksy i ikh znachenie."
Moscow, 1962.

ZOSIMOVICH, D.P.; AFONSKIY, S.S.

Anodic polarization of chromium, iron, and ferrochrome in
chromic acid solution. Ukr. khim. zhur. 29 no. 4: 396-400 '63.
(MIRA 16:6)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
(Iron-chromium alloys)
(Polarization(Electricity))

ZOSIMOVICH, D.P., kand. khimicheskikh nauk; AFONSKIY, S.S., inzh.

Electrodeposition of chromium in the presence of a large
quantity of threevalent chromium, iron and sulfuric acid.
Mashinostroenie no.5:70-71 S-O '64 (MIRA 18:2)

ZOSIMOVICH, D.P.; AFONSKIY, S.S.

Effect of trivalent chromium and iron ions on the electrodeposition of chromium from chromic acid solutions. Ukr.khim.zhur. 31 no.2:185-190 '65. (MIRA 18:4)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.

SOZNEVICH, D.P.; APOISKIY, S.S.

Preparation of chromic acid from calcium bichromate. Ukr.
khim. zhur. 31 no. 12:1342 '65 (MIRA 19:1)

1. Institut obshchey i neorganicheskoy khimii AN UkrSSR.
Submitted May 21, 1964.

AFONSKIY, S.S.; ZOSIMOVICH, D.P.

Potentiometric titration method for studying the separation
of Fe^{3+} and Cr^{6+} in chromic acid solutions. Zhur. prikl. khim.
38 no.5:1004-1008 My '65. (MIRA 18:11)

AFONSKIY, S.S.; ZOSIMOVICH, D.P.

Conditions of separation of Cr^{6+} and Fe^{3+} in chromic
acid solutions. Zhur.prikl.khim. 38 no.11:2586-2589 N
'65. (MIRA 18:12)

1. Submitted October 30, 1963.

AFONSKIY, V.I.

Prehistoric land forms of Moscow region reconstructed on the evidence of pollen and spore analysis. Pochvovedenie no.5:98-100 My '60. (MIRA 14:4)

1. Pochvennyy institut imeni V.V. Dokuchayeva AN SSSR.
(Paleogeography) (Palynology)

ACC NR: AP6012714 (A) SOURCE CODE: UR/0190/66/008/004/0699/0702 61

AUTHOR: Afonskiy, V. K.; Berlin, A. A.; Yanovskiy, D. M. B

ORG: Institute of Organochlorine Products and Acrylates (Institut khlororganicheskikh produktov i akrilatov)

TITLE: Effect of anthracene compounds obtained by thermolysis on thermal and photo-oxidative degradation of polyvinyl chloride

SOURCE: Vysokomolekulyarnyye soyedineniya, v. 8, no. 4, 1966, 699-702

TOPIC TAGS: polyvinyl chloride, polymer, paramagnetic material, pyrolysis, high temperature effect, anthracene

ABSTRACT: A study was made of the effect of the products of anthracene compounds obtained by pyrolysis on thermal and photo-oxidative degradation of polyvinyl chloride. The addition of anthracene treated at 450C has a stabilizing role in polyvinyl chloride degradation. The dependence of the amount of hydrogen chloride liberated during polymer degradation on the additive concentration and on the quantity of paramagnetic particles is of extremal nature. The stabilization effect is decreased with the temperature. The relation between the inhibiting behavior of the anthracene pyrolysis products and the energy of singlet-triplet transition was established. Orig. art. has: 2 figures and 1 table. [Based on authors' abstract.] [NT]

SUB CODE: 11, 07/ SUBM DATE: 28Apr65/ ORIG REF: 010/ OTH REF: 001/
Card 1/1 JS UDC: 678.01:54+678.743

VEREBRYUSOV, I.A., dotsent, kandidat tekhnicheskikh nauk; AFOSHIN, A.N.,
kandidat tekhnicheskikh nauk, redaktor; NOVOSEL'TSEV, Ya.V.,
kandidat tekhnicheskikh nauk, retsenzent; SMOLOV, V.B., kandidat
tekhnicheskikh nauk, retsenzent; TAKHVANOV, G.I., kandidat
tekhnicheskikh nauk, retsenzent; PETERSON, M.M., tekhnicheskii re-
daktor

[Synchro transfer and servomechanisms] Sinkhronnye peredachi i
slediashechie sistemy. Leningrad, Gos. soizusnoe nauchno-tekhn. izd-
vo sudostroitel'noi promyshl., 1954. 240 p. (MLRA 7:10)
(Servomechanisms) (Automatic control)

LOSEV, David Platonovich; POLISAR, Grigoriy Leyzerovich; FILIMONOV, Yuriy Polikarpovich; AFOSHIN, A.N., kand. tekhn.nauk, retsenzent; SAVCHENKO, L.T., inzh., retsenzent; SMIRNOV, A.S., kand. tekhn. nauk, nauchnyy red.; LESKOVA, L.R., red.; KRYAKOVA, D.M., tekhn. red.

[Elements and networks of contactless remote control devices]
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroystv.
Elementy i uzly beskontaktnykh telemekhanicheskikh ustroystv.
Leningrad, Sudpromgiz, 1962. 246 p. (MIRA 15:12)
(Remote control) (Pulse techniques (Electronics))

BEREZIN, Sergey Yakovlevich; STARYNKEVICH, D.S., retsenzents; SHIFRIN, M.Sh., doktor tekhn. nauk, retsenzents; AFOSHIN, A.N., nauchnyy red.; SACHUK, N.A., red.; SHISHKOVA, L.M., tekhn. red.

[Design of automatic control systems using inverse amplitude-phase characteristics] Raschet sistem avtomaticheskogo regulirovaniia s pomoshch'iu obratnykh amplitudno-fazovykh kharakteristik. Leningrad, Sudpromgiz, 1962. 336 p.

(MIRA 15:10)

(Automatic control)

AFOSHIN, V. S.

USSR/Chemistry - Electrolysis

Nov 51

"Resistance of an Electrolyte in a Cell With Several Cylindrical Electrodes," A. D. Yershov, V. S. Afoshin

"Zhur Prik Khim" Vol XXIV, No 11, pp 1210-1212

Derived theoretical formula for resistance of electrolyte in cell with cylindrical anode and system of cylindrical cathodes, all of whose axes are mutually parallel. Estimated that in cases with practical significance resistance of this type of cell differs negligibly from resistance of cell with 2 coaxial cylindrical electrodes.

20478

USSR/Chemistry - Electrolysis (Contd)

Nov 51

Large drop of cd on cathode surface with this arrangement must noticeably reduce cathodic polarization, thus raising current yield.

20478

S/048/61/025/012/014/022
B117/B104

AUTHORS: Kirenskiy, L. V., and Afoshin, V. S.

TITLE: Rotational hysteresis of magnetostriction in ferromagnetics

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Seriya fizicheskaya, v. 25,
no. 12, 1961, 1492 - 1494

TEXT: Rolled polycrystalline nickel with a reduction from 3.3 to 1 mm was used to study the rotational hysteresis of magnetostriction (RHM). The disc-shaped specimen had 18 mm in diameter and was annealed in vacuum at 1100°C. Rotating the field through 360° with respect to the initial angle, RHM was determined in the clockwise and counterclockwise directions after magnetostriction had changed. RHM was measured as a function of H at fixed values of the angle φ and as a function of φ at fixed values of the field H. First of all, the quantities had to be determined which permit a quantitative determination of RHM: (1) The difference $\Delta\lambda$ between the final and initial values of magnetostriction after the cycle has been completed. (2) the mean value of RHM (with respect to the area) or its

Card 1/3

Rotational hysteresis of ...

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relative magnitude $(\Delta\lambda)_{\text{mean}} / \lambda_0$ can be determined by the relation

$$(\Delta\lambda)_{\text{mean}} = 1/2\pi \int_0^{2\pi} |\Delta\lambda| d\varphi$$

Here, λ_0 is the maximum value of magnetostriction in the direction $\varphi = 0$ which conforms with the rolling direction. In qualitative respect, the curves of the function $\Delta\lambda(H)$ at $\varphi = \text{const}$ and $(\Delta\lambda)_{\text{mean}} / \lambda_0 = f(H)$ have been found to agree with the shape of the corresponding curves of the temperature-dependent magnetic hysteresis. Comparing the curves of technical magnetization with the type of the change of $\Delta\lambda(H)$ reveals a characteristic particularity: In fields whose magnetization is due to a reversible boundary displacement, both, the magnitudes of $\Delta\lambda$ or $(\Delta\lambda)_{\text{mean}}$ and of the hysteresis of any other property are small. An increase in the field causes the irreversible displacements to grow and also an increase in the amount of RHM, which thus reaches a certain maximum value. This is in conformity with present-day notions on the magnetization mechanism in ferromagnetics. In strong fields the displacements become less

Card 2/3

Rotational hysteresis of ...

S/048/61/025/012/014/022
B117/B104

significant which results in a decrease of RHM. In the domain of rotation processes RHM is vanishing. The homogeneities of RHM found, conform with the present-day theory on the phenomena of hysteresis. There are 4 figures and 2 Soviet references.

ASSOCIATION: Krasnoyarskiy pedagogicheskiy institut (Krasnoyarsk Pedagogical Institute)



Card 3/3

AFOSHIN, V.S.

Rotational hysteresis of magnetostriction in nickel. Izv.Sib.otd.
AN SSSR no.1:37-42 '62. (MIRA 15:3)

1. Krasnoyarskiy gosudarstvennyy pedagogicheskiy institut.
(Hysteresis) (Magnetostriction) (Nickel--Magnetic properties)

AFOSHIN, V.S.

Rotational magnetostriction hysteresis in
iron silicide single crystals. Izv. vys. ucheb.
zav; fiz. no.1:16-19 '63.

(MIRA 16:5)

1. Krasnoyarskiy gosudarstvennyy meditsinskiy institut.
(Hysteresis) (Magnetostriction) (Iron silicide crystals)

1174, X.
BAGDY, D.; AFRA, D.; GERENDAS, M.

Utilization of bovine plasma fibrin products. III. Use of fibrin film in animal experiments for trachea defects. Kiserlates Orvostud. 3 no. 5:373-378 1951. (CIML 21:3)

1. Doctors. 2. Third Department of Drug Industry Research Institute and Institute of Histology and Embryology of Budapest Medical University.

AFRA, Denes, dr.; CSANDA, Endre, dr.; BAGDY, Daniel, dr.; GERENDAS,
Mihaly, dr. .

Use of fibrin from cattle plasma. Orv. hetil. 96 no.4:97-99
23 Jan 55.

1. Az Orvostudományi Egyetem Anatómiai Intézete, a Nefehadsereg
Egészségügyi Szolgálat és Gyógyszeripari Kutatóintézet közleménye.
(FIBRIN,
cattle plasma fibrin, use)

KEPES, Janos, dr.; AFRA, Deneš, dr.

Spondylitis caused by *Coccidioides immitis*. Orv. hetil. 96 no.
47:1305-1307 20 Nov 55.

1. Az Országos Idegsebészeti Tudományos Intézet (igazgató: Zoltan
László dr.) közl.
(COCCIDIOIDOMYCOSIS,
spinal)
(SPONDYLITIS, etiology and pathogenesis,
coccidioidomycosis)

AFRA, D.; BAGDY, D.; GERENDAS, M.

Experimental studies on the absorption of fibrin films, and their use in neurosurgical practice. Acta med. hung. 11 no.1:1-29 1957.

1. Staatliches Institut fur Neurochirurgie, Forschungsinstitut der Arzneimittelindustrie und Staatlicher Blutversorgungsdienst, Budapest.

(HEMOSTATICS

fibrin films & tubes, exper. studies on absorp. & tissue reactions & use in neurosurg. (Ger))

(NERVOUS SYSTEM, surg.

fibrin films & tubes in (Ger))

KISS, A.; AFRA, D.; BORNEMISZA, G.

Experimental and clinical results with preserved dural homotransplants.
Ideg. szemle 11 no.3:81-86 June 58.

1. Debreceni Orvostudományi Egyetem Sebészeti Anatomiái és Műtettani
Intézete, Debrecen (Tanszékvezető: Dr. Bornemisza György) és Országos
Idegsebészeti Tudományos Intézet, Budapest (igazgató: Dr. Zoltán László)
közleménye.

(DURA MATER, transpl.

homografts, lyophilized, exper. & clin. value (Hun))

EXCERPTA MEDICA Sec 8 Vol 12/10 Neurology Oct 59

5166. HAEMOSTATIC CONTROL WITH FIBRIN-FOAM IN NEUROSURGICAL OPERATIONS. CLINICAL EXPERIENCES - Vérzéscsillapítás fibrinhabbal idegsebészeti műtétekben. Klinikai tapasztalatok - Áfra D. Országos Idegsebészeti Tudományos Int., Budapest - ORV. HETIL. 1958, 99/41 (1421-1424) Illus. 2

A survey of different materials used for hemostatic control, e.g., gelatin, oxycell and fibrin-foam. The latter material appears to be the most suitable. There is not much difference between fibrin-foam of human or animal origin. According to the experience gained by about 3,000 craniotomies and laminectomies, the fibrin-foam made of bovine plasma proved to have an excellent, trustworthy effect for haemostatic control which does not cause any pathological reaction. Haemostatic control succeeded even in 3 cases of arterial bleeding in which routine clipping would have been perilous.

Zoltán - Budapest

AFRA, Denes, dr.

Ossified subdural hematoma. Ideg.szemle 13 no.7:212-224 J1 '60.

1. Az Orszagos Idegsebészeti Tudományos Intezet, Budapest
(igazgato: dr. Zoltan Laszlo) kozlomenye.
(CEREBRAL HEMORRHAGE compl)

AFRA, Denes, dr.; DEAK, Gyorgy, dr.

Subdural hydroma. Ideggyogy. szemle 14 no.5:129-140 My '61.

1. Orszagos Idegsebeszeti Tudomanyos Intezet (Igazgato: Dr. Zoltan Laszlo).

(DURA MATER dis)

PALYI, Iren, dr.; AFRA, Denes, dr.; CSANDA, Endre, dr.

Behavior of gliomas in tissue cultures. I. The astrocytoma-glioblastoma group. Ideggyogy. szemle 14 no.8:225-237 Ag '61.

1. Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstani Intézete (Igazgató: Toro Imre dr. akadémikus), az Országos Idegsebészeti Tudományos Intézet (Igazgató: Zoltan László dr.).

(GLIOMA exper) (ASTROCYTOMA exper)

AFRA, D.

HUNGARY

FALTY, László, Dr. TOCH, Gábor, Dr. SZÁVY, László, Dr. AFRA, László, Dr. ZOLTAN, László, Dr. Budapest Medical University, Institute of Histology and Development (Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstan Intézete) (director: TÓRÓ, Imre, Dr. academician), National Neurosurgical Scientific Institute (Országos Idegsebészeti Tudományos Intézet) (director: ZOLTAN, László, Dr.).

"Behavior of Gliomas in Tissue Culture II. Effect of X-Rays on the Phosphorus Metabolism of Glioma Cultures."

Budapest, Élettudományi Szemle, Vol XIV, No 3, Mar 62, pages 93-96.

Abstract: [Authors' Hungarian summary] Phosphate metabolic tests were carried out on glioma tissue cultures 6 and 22 hours after single irradiation of the tissue with 6000 r. The irradiated cultures showed elevated activity in acid-soluble phosphorus fractions than did the controls. The activity of the lipid and DNA (deoxyribonucleic acid) fractions, on the other hand, was lower than that of the controls. Normal tissues show no consequent changes in their phosphorus metabolism after irradiation with single large doses of X-rays. 2 Hungarian, 18 Western references.

11/1

PALYI, Iren; AFRA, D.; CSANDA, E.

The behaviour of gliomas in tissue culture. Acta morph. acad. sci. hung. 12 no.1:111-127 '63.

1. Department of Histology and Embryology (Director: Prof. I. Törő)
University Medical School Budapest and Institute for Neurosurgery
(Director L. Molnár), Budapest.
(BRAIN NEOPLASMS ASTROCYTOMA) (GLIOMA GLIOBLASTOMA MULTIFORME)
(TISSUE CULTURE) (CLASSIFICATION)

HUNGARY

ZOLTAN, Laszlo, Dr, PALYI, Iren, Dr, AFRA, Denes, Dr; National Neurosurgical Scientific Institute (director: ZOLTAN, Laszlo, Dr) and Medical University of Budapest, Histological and Embryological Institute (director: TORO, Imre, Dr; academician)(Orszagos Idegsebeszeti Tudomanyos Intezet es Budapesti Orvostudomanyi Egyetem Szovet- es Fejlodestani Intezet).

"The Behaviour of Gliomas in Tissue Cultures."

Budapest, Ideggyogyaszati Szemle, Vol XIV, No 7, July 1963, pages 193-198.

Abstract: [Authors' Hungarian summary modified] Comparative studies were made on samples taken during the first and second operation in four cases of glioma. Two patients with glioblastoma multiforme and one with astrocytoma malignum received radiation treatment after surgery while a second patient with astrocytoma malignum was not treated by irradiation. The irradiated tissue cultures showed evidence of degeneration already in the third week. The decrease of biological activity in irradiated tumor cells can be considered the result of radiation effect. During recidive surgery there was evidence of a change toward increased malignancy in the non-irradiated tumor tissue. In one of the cases, the activity of the tumor tissue removed during the initial surgery showed evidence of malignant astrocytoma, indicating the malignant change which was actually found in the tissue which was removed during the second operation. 2 Hungarian, 14 Western references.

1/1

PALYI, Iren, dr.; TOTH, Geza, CSAKY, Laszlo; AFRA, Denes, dr.; ZOLTAN, Laszlo, dr.

Behavior of gliomas in tissue culture. II. The effect of x-ray
on the phosphorus metabolism of glioma cultures. Ideggyogy. szemle
16 no.3:93-96 Mr '63.

1. Budapesti Orvostudományi Egyetem Szövet- és Fejlődéstan Intézete
(Igazgató: Toro Imre dr. akadémikus), Országos Idegsebészeti Tudományos
Intézet (Igazgató: Zoltan Laszlo dr.) közleménye.

(GLIOBLASTOMA MULTIFORME) (RADIATION EFFECTS)
(ASTROCYTOMA) (TISSUE CULTURE) (PHOSPHORUS) (DNA)

ZOLTAN, Laszlo, dr.; PALYI, Iren, dr.; AFRA, Denes dr.

The behavior of gliomas in tissue culture. III. Comparative studies on gliomas irradiated in vivo. Ideggyogy szemle 16 no. 7:193-198 J1 '63.

1. Orszagos Idegsebeszeti Tudomanyos Intezet (igazgato: Zoltan Laszlo dr.), Budapesti Orvostudomanyi Egyetem Szovet- es Fejlodestani Intezet (igazgato: Toro Imre dr. akademikus).

(GLIOMA) (RADIATION EFFECTS)

AFRA, Denes, dr.; WOLLEMAN, Maria, dr.

Cholinesterase activity in subdural hematoma. Ideggyogy.
szemle 16 no.8:227-231 Ag '63.

1. Orszagos Idegsebeszeti Tudomanyos Intezet (igazgato: Zoltan
Laszlo dr.) Budapest, kozlemenye.

(CHOLINESTERASE) (HEMATOMA, SUBDURAL)

(ACETYLCHOLINE) (ENZYME TESTS)

AFRA, Denes, dr.; CROSZ, Eva, dr.

Surgical therapy of spontaneous intracerebral hematomas.
Ideggyogy. szemle 16 no.8:242-251 Ag '63.

1. Az Orszagos Idegsebészeti Tudományos Intézet (igazgató:
Zoltan Laszlo dr.) közleménye.

(HEMATOMA, EPIDURAL) (HEMATOMA, SUBDURAL)
(SURGERY, OPERATIVE) (CEREBROVASCULAR DISORDERS)
(HYPERTENSION) (CEREBRAL ARTERIOSCLEROSIS)
(SUBARCHANOID HEMORRHAGE)
(CEREBRAL ANGIOGRAPHY)